



Sikorsky S76A+

TECHNICAL SPECIFICATIONS

Engine:

Manufacturer	Rolls Royce
Model	250 C30S (2)

Power Ratings:

Takeoff	650 shp / 485 kw
Max Continuous	557 shp / 415 kw

Transmission Ratings:

Take off	1300 shp / 969 kw
Continuous	1300 shp / 969 kw

Rotor Systems:

Main Rotor Blades	4
Tail Rotor Blades	4
Main Diameter	44.00 ft / 13.41 m

Dimensions External:

Length, fuselage	43.37 ft / 13.22 m
Length, T/R turning	45.20 ft / 13.78 m
Width, fuselage	7.00 ft / 2.13 m
Width, widest point	10.00 ft / 3.05 m
Width, landing gear	8.46 ft / 2.58 m
Height, top, tail fin	11.75 ft / 3.58 m
Height, top, TR arc	14.48 ft / 4.41 m
GR clearance, fuselage	1.00 ft / 0.30 m
GR clearance, T/R guard	6.50 ft / 1.98 m

Dimensions, Internal:

Cabin Length, max	8.07 ft / 2.46 m
Cabin Width, max	6.33 ft / 1.93 m
Cabin Height, max	4.50 ft / 1.37 m
Cabin Volume	204.0 ft ³ / 5.78 m ³
Baggage Volume	38.00 ft ³ / 1.08 m ³

Hourly Maintenance Cost:

\$425-492

Accommodations:

Standard seating	2 + 4 + 4
High density	2 + 4 + 4

Weights:

Max gross	10,500 lb / 4763 kg
Empty, std acft	5930 lb / 2690 kg
Useful load	4570 lb / 2073 kg
Useful, with full fuel	2673 lb / 1213 kg
External load	3300 lb / 1497 kg
Gross with ext load	10,500 lb / 4763 kg

Average Fuel Consumption:

Gallons per hour (GPH)	77-85
Liters per hour (LPH)	291-332

Range:

Max Fuel	404 nm / 749 km
Max Payload	404 nm / 749 km
Aux fuel, no reserves	462 nm / 1042 km

Endurance:

Std fuel, no reserves	3.5 hrs
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Performance:

Service ceiling	14,167 ft / 4318 m
HIGE	2400 ft / 732 m
HOGE	1200 ft / 366 m
ROC, oblique	1350 fpm / 411 m/min
Econ Cruise, S/L	135 kts / 250 km/hr
VNE	155 kts / 287 km/hr